

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE ☒ WATER SANDS _____ LOCATION INSPECTED OIL SUB. REPORT/abd. _____DATE FILED 4-8-82LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-15855 INDIAN _____DRILLING APPROVED: 4-21-82

SPUDDER IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: 6-19-84 LA APD RescindedFIELD: ~~WILDCAT~~ MONUMENT BUTTE 3/86

UNIT: _____

COUNTY: DUCHESNEWELL NO. FEDERAL #1-23 API # 43-013-30660LOCATION 638 FT. FROM (N) (S) LINE. X 630 FT. FROM (E) (W) LINE. X NE NE 1/4 - 1/4 SEC. 23

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<u>9S</u>	<u>16E</u>	<u>23</u>	<u>LOMAX EXPLORATION</u>

March 2, 1983

Mr. Bill Martin
Minerals Management Service
1745 West 1700 South
Room 2000
Salt Lake City, Utah 84104

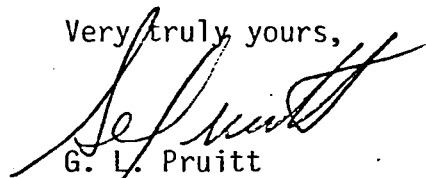
Castle Peak Federal #7-23
Castle Peak Federal #3-24
Castle Peak Federal #3-26
Castle Peak Federal #1-23
Castle Peak Federal #11-24

Dear Mr. Martin:

Enclosed are Applications for Permit to Drill the subject wells. These applications were originally submitted in April, 1982 and received approval by your office on April 22, 1982. We request a one year extension on these permits as we plan to drill the Federal #9-23 well soon and this could result in further development in the near future.

Please advise if you need any additional information.

Very truly yours,


G. L. Pruitt
V.P. Drilling & Production

GLP/mdt
Enclosures

✓ cc: State of Utah
Division of Oil and Gas

MAR 6 1983

333 North Belt East
Mailing Address:

Suite 880
P.O. Box 4503

Houston, Texas 77060 713/931-9276
Houston, Texas 77210-4503

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐

OTHER

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

638' FNL & 630' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19 miles South of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

638

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1898

16. NO. OF ACRES IN LEASE

1200

19. PROPOSED DEPTH

6500

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5654 GL

22. APPROX. DATE WORK WILL START*

November, 1983

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	300	To Surface
7 7/8	5 1/2	17	TD	As Required

*Submitted as a 1 yr renewal of
an existing approval*

[Signature]
3-8-83

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

G. L. Pruitt

TITLE

V.P. DRILLING & PRODUCTION

DATE

3/02/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, Texas 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

638' FNL & 630' FEL, Section 23, T9S, R16E

At proposed prod. zone

NE NE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19 miles South of Myton

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

638

16. NO. OF ACRES IN LEASE

1200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2000

19. PROPOSED DEPTH

6500 *Washed*

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5654 GL

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	250	300 sx
7 7/8	5 1/2	15.50	TD	As warranted

- ATTACHMENTS:
1. 10 Point Program
 2. 13 Point Surface Use Plan
 3. Location Plat
 4. Location Layout
 5. Topo Maps "A" & "B"

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 4/21/82
BY: *[Signature]*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

G. L. Pruitt

TITLE

Mgr. Drilling & Production

DATE

4/8/82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MINERALS MANAGEMENT
OIL & GAS OPERATIONS
RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SALT LAKE CITY, UTAH
SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, Texas 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

638' FNL & 630' FEL, Section 23, T9S, R16E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19 miles South of Myton

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

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16. NO. OF ACRES IN LEASE

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18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2000

19. PROPOSED DEPTH

6500

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5654 GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	250	300 sx
7 7/8	5 1/2	15.50	TD	As warranted TO PROTECT OIL SHALE

- ATTACHMENTS:
1. 10 Point Program
 2. 13 Point Surface Use Plan
 3. Location Plat
 4. Location Layout
 5. Topo Maps "A" & "B"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

G. L. Pruitt

TITLE

Mgr. Drilling & Production

DATE

4/8/82

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL DATE

E. W. Guynn

TITLE

District Oil & Gas Supervisor

DATE

NOV 17 1982

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

Lomax Exploration Company
Well No. 1-23
Section 23, T.9S., R.16E.
Duchesne County, Utah
Lease U-15855

Supplemental Stipulations

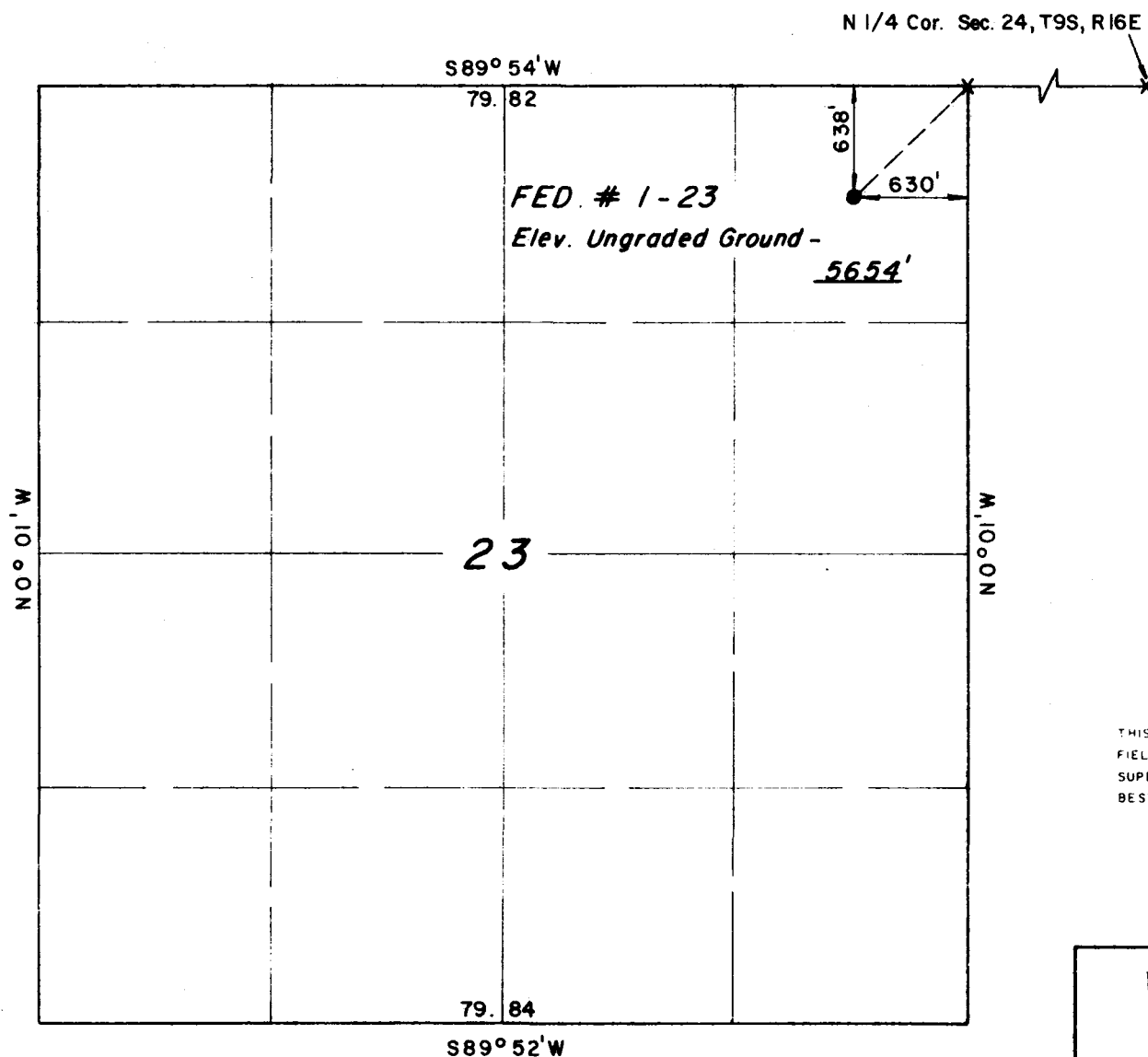
- 1) The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and travelling off the right-of-way will not be allowed.
- 2) Topsoil will be stockpiled at Point No. 1. It is recommended that the top 6-10 inches of topsoil material be stockpiled.
- 3) The BLM will be notified at least 24 hours prior to any rehabilitation.
- 4) A burn pit will not be constructed. There will be no burying of garbage or trash at the location. No trash will be thrown in the reserve pit. All trash must be contained and hauled to the nearest landfill.
- 5) All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.
- 6) Reserve pits will be fenced with a wire mesh fence topped with at least one strand of barbed wire.
- 7) A muffler system will be installed on all pumping units.
- 8) Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Mahogany Zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing and cementing program for the Uinta Basin.)

T 9 S , R 16 E , S.L.B.&M.

PROJECT
LOMAX EXPLORATION

Well location, FED # 1-23,
located as shown in the NE 1/4
NE 1/4 Section 23, T 9 S , R 16 E,
S.L.B. & M. Duchesne County,
Utah.

Note: Fed. # 1-23 Bears S44°34'51"W -
897.28' From the NE Cor. Sec. 23.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

David Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

X = Section Corners Located

SCALE	1" = 1000'	DATE	12/7/81
PARTY	GS BW RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	LOMAX



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

February 2, 1981

General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
 2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
 3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

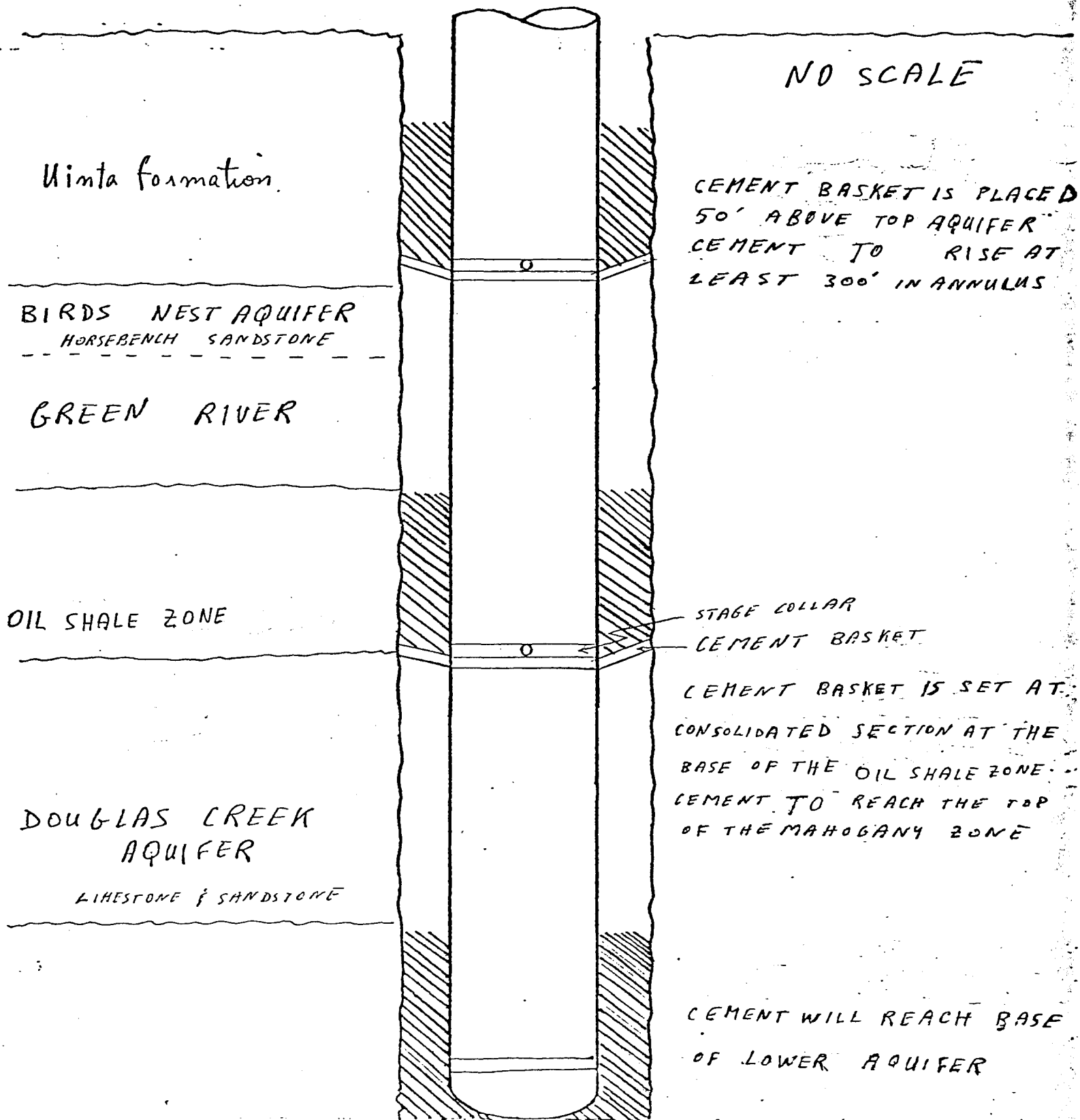
Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Gynn
District Oil and Gas Supervisor

AMR/kr

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS IN
NATURAL BUTTES FIELD. UINTAH COUNTY, UTAH



ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

TEN POINT WELL PROGRAM

Lomax Exploration Company
Federal #1-23
Section 23, T9S, R16E
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0- 3113
Green River	3113
Wasatch	6153

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River	3123	
H zone	3463	Sand & Shale - possible oil & gas shows
J zone	4363	Sand & Shale - oil & gas shows anticipated
M zone	5663	Sand & Shale - primary objective oil

4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 24#; set at 300'
5 1/2", J-55, 15.50#, STC; set at TD
All casing will be new

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See exhibit A)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone, and with KCl water thereafter. The mud system can be weighted up using salt to control any gas.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H₂S gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately July, 1982 and will last one month.

LOMAX EXPLORATION

13 Point Surface Use Plan

For

Well Location

Federal #1-23

Located In

Section 23, T9S, R16E, S.L.B. & M.

Duchesne County, Utah

LOMAX EXPLORATION

Federal #1-23

Section 23, T9S, R16E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION well location site Federal #1-23, located in the NE 1/4 NE 1/4 Section 23, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Vernal, Utah along U.S. Highway 40 - 1.9 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 10.3 miles to its junction with an existing dirt road to the Southwest; proceed Southwesterly along this road 4.7 miles to its junction with the proposed access road to be discussed in Item #2).

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South; thereafter the road is constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are mainted by County crews.

The aforementioned dirt oil field service roads and other roads in the vacinity are constructed out of existng native materials that are prevalent to the existing areas they are located in and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the SE 1/4 NE 1/4 Section 23, T9S, R16E, S.L.B. & M., and proceeds in a Northerly direction approximately 0.3 miles to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There may be one culvert required along this access road, it will be placed according to specifications for culvert placement found in the Oil & Gas Operation Manual.

There will be no turnouts required along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are 3 wells within a one mile radius of this location site. the producing well Lomax Federal 12-24 is approximately 2000' to the Southeast of this site, and Pan AM F-1USA, which is abandoned, is about 1 mile North of this site. There is also First Energy Federal #1-26 about 1 mile South of this site, which is a producer.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There is one existing Lomax Exploration well within a 1 mile radius of this location site. This location has the following production facilities - two 300 barrel tanks, line heaters, pumping units & heater trace.

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing well in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 18.3 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

LOMAX EXPLORATION

Federal #1-23

Section 23, T9S, R16E, S.L.B. & M.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

LOMAX EXPLORATION

Federal #1-23

Section 23, T9S, R16E, S.L.B. & M.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area -- (See Topographic Map "A").

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 19 miles to the Southeast of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

LOMAX EXPLORATION

Federal #1-23

Section 23, T9S, R16E, S.L.B. & M.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area -- (See Topographic Map "B"):

Federal #1-23 is located approximately 3.5 miles North of Big Wash a non-perennial drainage which runs to the East.

The terrain in the vicinity of the location slopes from the South through the location site to the North at approximately 6.0% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Jack Pruitt
LOMAX EXPLORATION
333 North Belt East, Ste. 880
Houston, TX 77060

1-713-931-9276

13. CERTIFICATION


LOMAX EXPLORATION

Federal #1-23

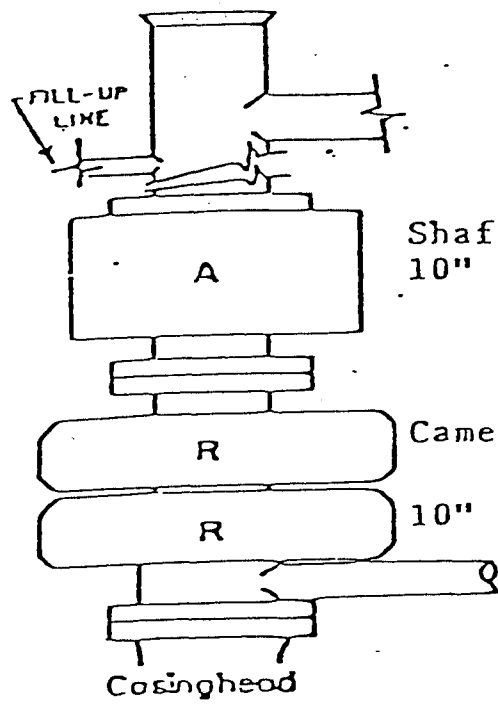
Section 23, T9S, R16E, S.L.B. & M.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by LOMAX EXPLORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date



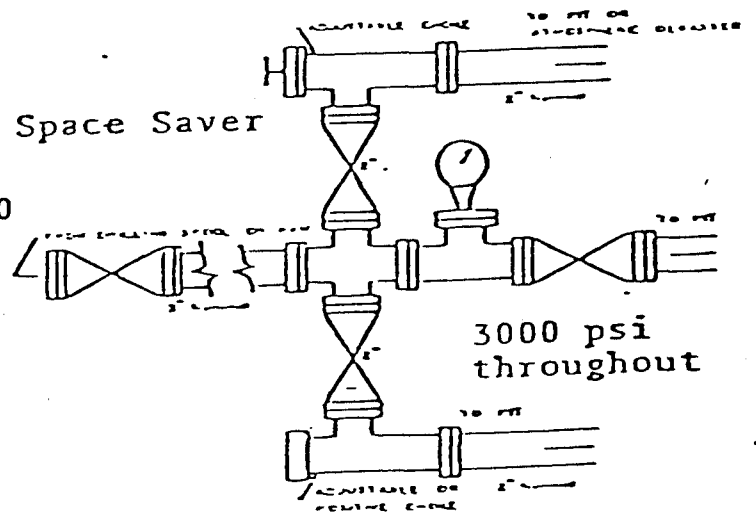
Jack Pruitt



Shaffer Spherical
10" 900

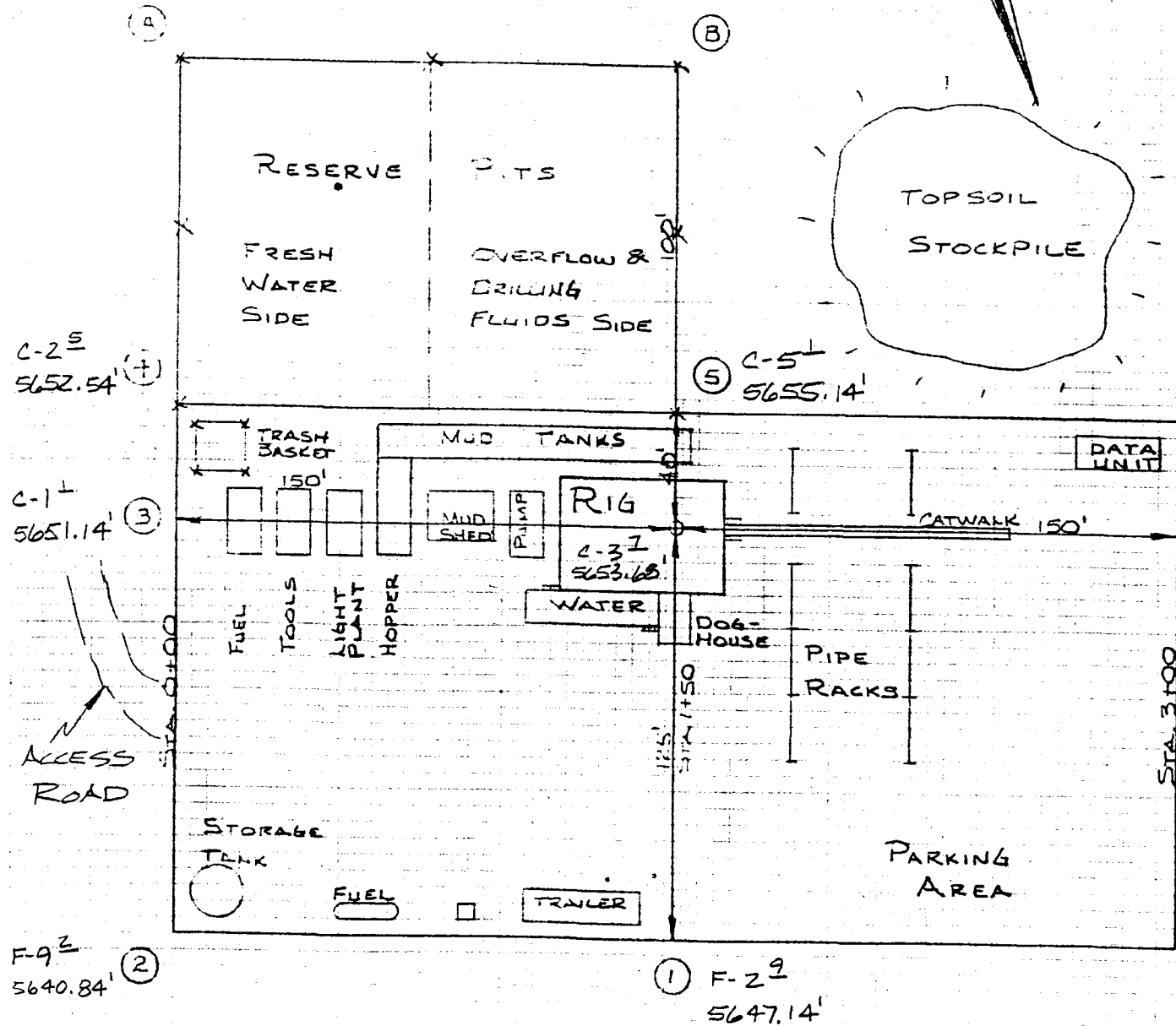
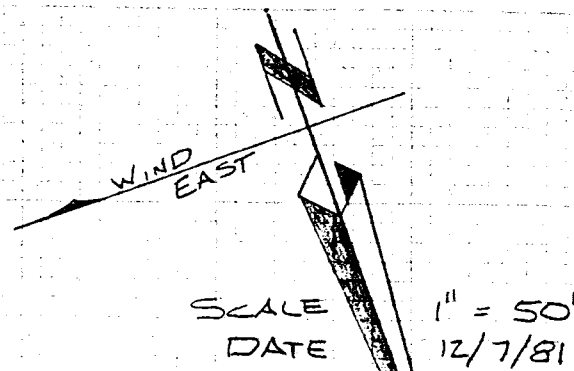
Cameron Space Saver

10" 900



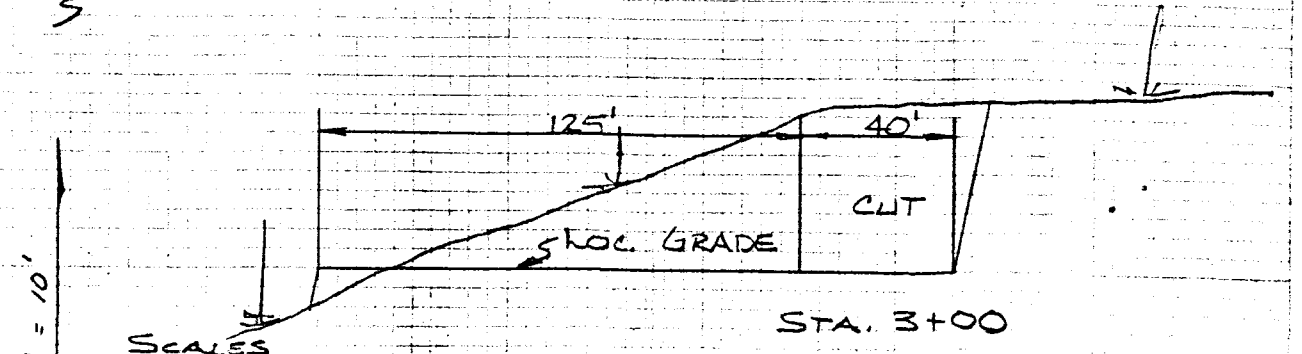
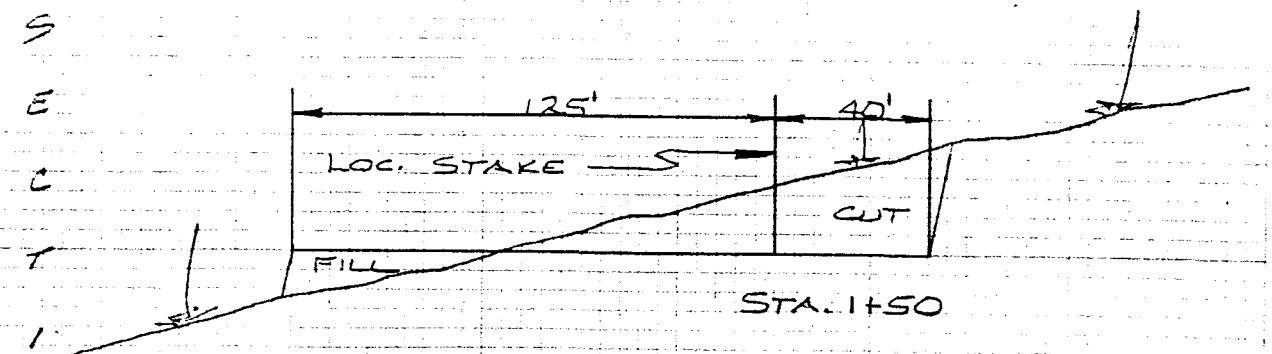
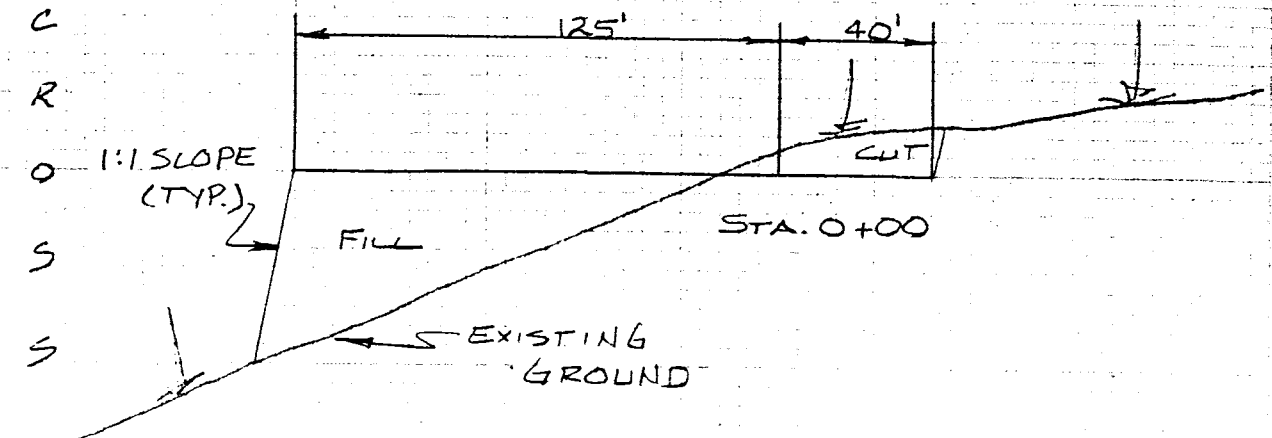
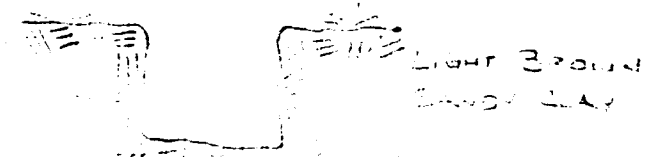
LOMAX EXPLORATION

FED. # 1-23



SOILS LITHOLOGY

- NO SCALE -



1" = 50'

APPROXIMATE YARDAGES

CUBIC Yds. CUT - 3970

CUBIC Yds. FILL - 3934

LOMAX EXPLORATION CO.

FED. # 1-23

PROPOSED LOCATION

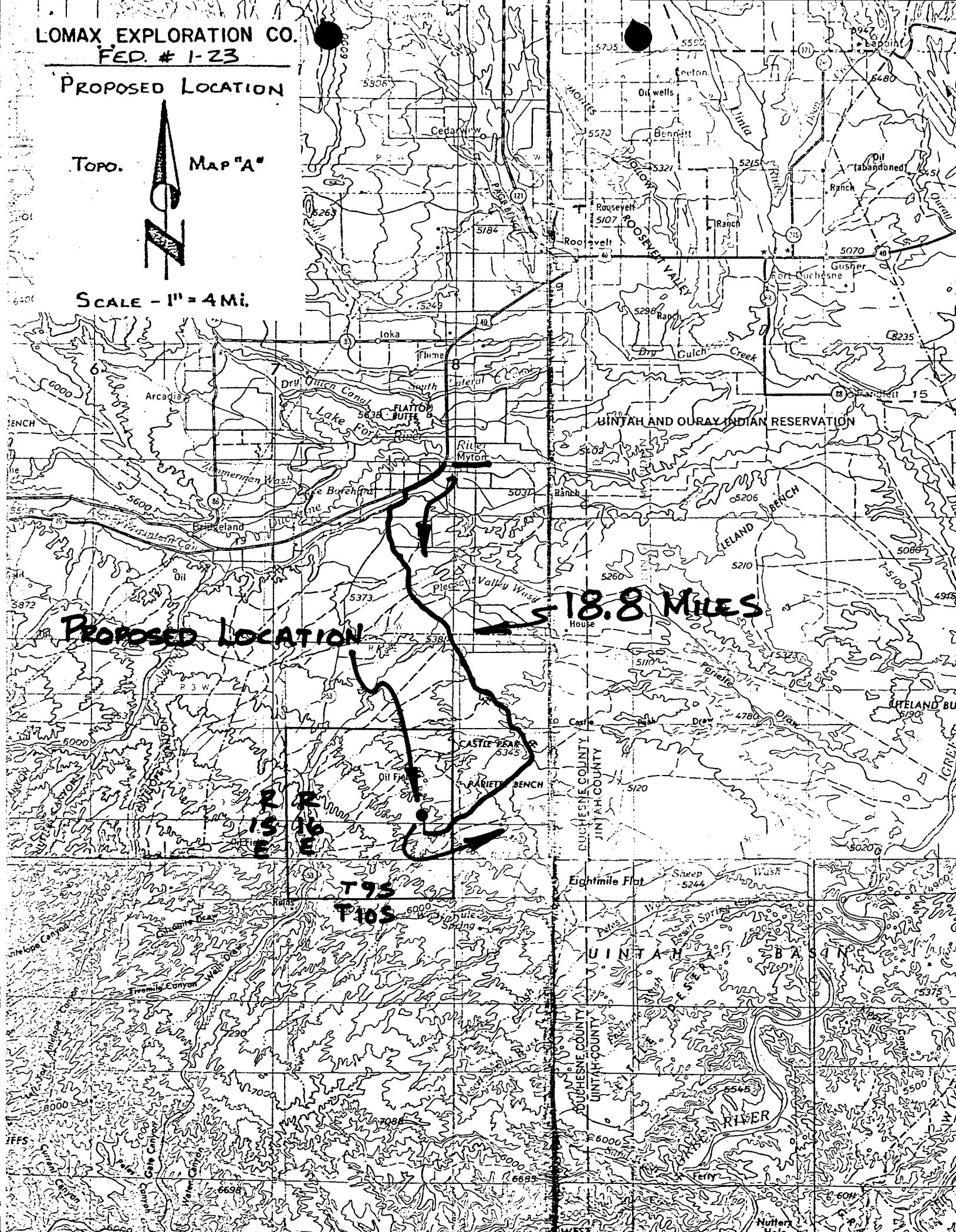
TOPO.

MAP "A"

SCALE - 1" = 4 Mi.

PROPOSED LOCATION

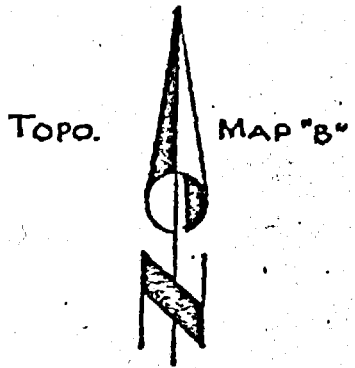
18.8 MILES



LOMAX EXPLORATION CO.

FED. # 1-23

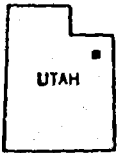
PROPOSED LOCATION



SCALE - 1" = 2000'

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty - - - - -
Medium-duty ——— Unimproved dirt - - - - -
U.S. Route State Route



QUADRANGLE LOCATION

PROPOSED LOCATION

FED. # 1-23

PROPOSED ACCESS
ROAD 0.3 Mi.

MYTON, UT. - 18.5 Mi.
U.S. 40 - 16.8 Mi.

R
R
E
E

T9S
T10S

White Mule Spring

Horne's Knoll

✓

** FILE NOTATIONS **

DATE: 4-20-82

OPERATOR: Homaf Exploration Co.

WELL NO: Federal # 1-23

Location: Sec. 23 T. 9S R. 16E County: Richmond

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-013-30660

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per rule C-3

Administrative Aide: OK as per Rule C-3

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation ☒ Fed

Plotted on Map ☒

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

April 22, 1982

Lomas Exploration Co.
P. O. Box 4503
Houston, Texas 77210

RE: Well No. Federal #1023,
Sec. 23, T. 9S, R. 16E,
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30660.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC: Minerals Management Service
Enclosure



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 5, 1983

Lomax Exploration Company
P.O. Box 4503
Houston, Texas 77210-4503

Re: See Attached Well Sheet

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones
Well Records Specialist

CJ/cj

Well No. Ute Tribal #11-13
NE SW Sec. 13, T. 4S, R. 3W.
1940' FSL, 1980' FWL
Duchesne County, Utah

Well No. Ute Tribal 1-25
NE NE Sec. 25, T. 4S, R. 3W.
661' FNL, 659' FEL
Duchesne County, Utah

Well No. Federal #13-35
SW SW Sec. 35, T. 8S, R. 16E.
640' FSL, 592' FWL
Duchesne County, Utah

Well No. State #15-36
SW SE Sec. 36, T. 8S, R. 16E.
793' FSL, 2133' FEL
Duchesne County, Utah

Well No. State #15-32
SW SE Sec. 32, T. 8S, R. 17E.
800' FSL, 2397' FEL
Duchesne County, Utah

Well No. Federal #3-1
SW NE Sec. 1, T. 9S, R. 16E.
1892' FNL, 1898' FEL
Duchesne County, Utah

Well No. Federal #4-1
SW NW Sec. 1, T. 9S, R. 16E.
1984' FNL, 666' FWL
Duchesne County, Utah

Well No. State #1A-2
NE NE Sec. 2, T. 9S, R. 16E.
646' FNL, 637' FEL
Duchesne County, Utah

Well No. Federal #1-23
NE NE Sec. 23, T. 9S, R. 16E.
638' FNL, 630' FEL
Duchesne County, Utah

December 22, 198³~~4~~

RECEIVED
DEC 27 1983

DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil and Gas
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Ms. Claudia Jones

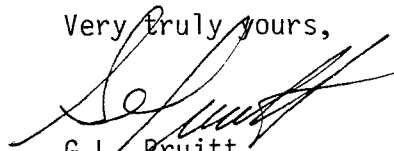
Permits to Drill

Gentlemen:

Please reference your letter dated December 5, 1983 concerning well permits for eight wells which have not been spudded. The Ute Tribal #1-25 and Federal #13-35 are scheduled in our immediate drilling plans. We intend to drill several of the other listed wells during 1984 and would therefore like to maintain an approved permit to drill.

Please let me know if this presents a problem.

Very truly yours,



G.L. Pruitt
V.P. Drilling & Production

GLP/mt

333 North Belt East • Suite 880 • Houston, Texas 77060 • 713/931-9276
Mailing Address: P.O. Box 4503 • Houston, Texas 77210-4503

District Office: 248 North Union • Roosevelt, Utah 84066
Mailing Address: P.O. Box 1446 • Roosevelt, Utah 84066



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

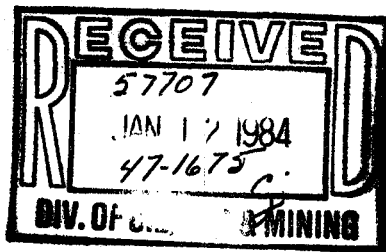
Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 29, 1983

Lomax Exploration Company
P.O. Box 4503
Houston, TX 77210

Attention: G.L. Pruitt



Well No. Federal #13-35
API # 43-013-30745
640' FSL, 592' FWL SW SW
Sec. 35, T. 8S, R. 16E.
Duchesne County, Utah

Well No. Ute Tribal #1-25
API # 43-013-30769
661' FNL, 659' FEL NE NE
Sec. 25, T. 4S, R. 3W.
Duchesne County, Utah

Well No. Federal #1-23
API #43-013-30660
Sec. 23, T. 9S, R. 16E.
Duchesne County, Utah
638' FNL, 630' FEL NE NE

Gentlemen:

In response to your letter dated December 22, 1983, approval to drill the above wells is extended to March 1, 1984. Prior to spudding, a copy of the Utah Division of Water Rights (801-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise approval is void.

Please refer to our original approval letter of August 23, 1983 for all other conditions of approval.

Thank you for your prompt attention to this matter.

Respectfully,

Norman C. Stout
Administrative Assistant

NCS/cj

3100
U-810

June 8, 1984

Lomax Exploration Company
P.O. Box 4503
Houston, TX 77210

RECEIVED
JUN 11 1984
DIVISION OF OIL
GAS & MINING

Re: Rescind Application for Permit to Drill
Well No. Castle Peak 1-23
Section 23, T9S, R16E
Duchesne County, Utah
Lease U-15855

Gentlemen:

The Application for Permit to Drill the referenced well was approved on November 17, 1982. Since that date, no known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,
Donald C. Alvord

Donald C. Alvord
Associate District Manager

cc: Well File
State O & G ✓
SMA

BMuth:ma



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 19, 1984

Lomax Exploration Company
P.O. Box 4503
Houston, Texas 77210

Gentlemen

SUBJECT: RESCIND APPLICATION WELL NO. FEDERAL 1-23

In concert with action taken by the Bureau of Land Management, June 8, 1984, approval to drill Well No. Federal 1-23, API #43-013-30660, Sec. 23, T. 9S., R. 16E., Duchesne County, Utah, is hereby rescinded without prejudice.

A new "Application for Permit to Drill" must be filed with this office, for approval, prior to future drilling of the subject location.

Sincerely

John R. Baza
Petroleum Engineer

cj

cc Dianne R. Nielson
Ronald J. Firth
File